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 **PALM INTRANET****Inventor Name Search Result**

Your Search was:

Last Name = KIMPIMAKI

First Name = TOMI

Application#	Patent#	Status	Date Filed	Title	Inventor Name
<a href="#">09424041</a>	<a href="#">6531196</a>	150	01/18/2000	COATED BOARD, A PROCESS FOR ITS MANUFACTURE, AND CONTAINERS AND PACKAGING FORMED THEREFROM	KIMPIMAKI, TOMI
<a href="#">10038769</a>	Not Issued	161	01/08/2002	Surface size composition	KIMPIMAKI, TOMI
<a href="#">10508349</a>	Not Issued	41	10/20/2004	Composition for surface treatment of paper	KIMPIMAKI, TOMI
<a href="#">10526177</a>	Not Issued	30	03/01/2005	Vapor screen composition	KIMPIMAKI, TOMI
<a href="#">10628481</a>	Not Issued	41	07/29/2003	Surface size composition	KIMPIMAKI, TOMI

Inventor Search Completed: No Records to Display.

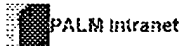
**Search Another: Inventor**

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<input type="text" value="Kimpimaki"/>	<input type="text" value="Tomi"/>	<input type="button" value="Search"/>

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Application  
Number

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☐ 1. Document ID: US 20060014014 A1

AB: The invention relates to a water-dispersible composition for making a water repellent paper with a low permeability for moisture. The composition comprises components (A) to (H), in the following amounts by dry weight (wt): (A) 5 to 89 wt % of polyvinyl butyral (PVB), (B) 1 to 20 wt % of styrene maleic imide (SMI), (C) 5 to 50 wt % of ethylene acrylate, (D) 0 to 20 wt % of polyvinyl alcohol or starch, (E) 0 to 7 wt % of wax, (F) 0 to 6 wt % of styrene maleic anhydride copolymer (SMA), (G) 0 to 70 wt % of styrene butadiene (SB) latex and (H) 0 to 70 wt % of talc. The invention further relates to an easily macerating moisture-proof paper comprising a base paper having coated on at least one surface thereof a layer of an aqueous emulsion comprising a water-dispersible composition, wherein the solid content in the aqueous emulsion is from 30 to 65 % by weight.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Des
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☐ 2. Document ID: US 20040235970 A1

AB: The present invention provides, e.g., methods to recycle and/or reduce plastic, non-plastic, or a combination thereof, from a waste stream. The methods of the present invention include contacting the plastic waste with infrared (IR) energy at one or more frequencies and at one or more intensities, over a period of time effective to heat plastic present in the plastic waste.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMC	Draw Des
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☐ 3. Document ID: US 20040197695 A1

AB: A process for forming an image, the process including the steps of: forming, on a surface of an image receiving layer of an image receiving body A, an adhesive first image including an adhesive composition by using an electrophotographic technique; forming an inorganic pigment second image on the surface of the image receiving layer of the image receiving body A by transferring a transfer layer corresponding to the adhesive first image, transferring an inorganic pigment second image onto an image receiving body B, arranging the inorganic pigment second image on a surface of a ceramic material; and



heating the ceramic material to sinter the inorganic pigment image onto the surface of the ceramic material.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Drawn Des
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☐ 4. Document ID: US 20030087061 A1

AB: A lithographic printing plate precursor comprising at least an inter layer and an image-receiving layer provided in order on a water-resistant support, wherein the inter layer has a surface exhibiting a centerline average roughness (Ra) of from 0.05 to 2.0  $\mu\text{m}$ .

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Drawn Des
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☐ 5. Document ID: US 20030064313 A1

AB: A process for forming an image, the process including the steps of: forming, on a surface of an image receiving layer of an image receiving body A, an adhesive first image including an adhesive composition by using an electrophotographic technique; forming an inorganic pigment second image on the surface of the image receiving layer of the image receiving body A by transferring a transfer layer corresponding to the adhesive first image, transferring an inorganic pigment second image onto an image receiving body B, arranging the inorganic pigment second image on a surface of a ceramic material; and heating the ceramic material to sinter the inorganic pigment image onto the surface of the ceramic material.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Drawn Des
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☐ 6. Document ID: US 20020072007 A1

AB: Disclosed is provide an intermediate image receiving sheet for a laser thermal transfer recording method, which can easily transfer an image to even a rough surface paper with high quality and stable repeatability, and can use a variety of papers to produce an image proof which yields results similar to a print made in a production run.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Drawn Des
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☐ 7. Document ID: US 6541174 B1



AB: A toner for developing an electrostatic image is formed of toner particles; wherein each toner particle includes (i) 100 wt. parts of a binder resin having a glass transition point (Tg) of 50-70.degree. C., (ii) 0.2-20 wt. parts of solid wax, and (iii) colorant particles or magnetic powder; (iv) lubricant particles carrying a liquid lubricant, so that the toner particle retains at its surface the liquid lubricant gradually released from the particles (iv). The toner may be further blended with an organically treated inorganic fine powder to provide a developer. The toner or developer retains good lubricity and releasability so that it is suitable to be used in an image forming method including means contacting a latent image-bearing means, such as a contact charging means, a contact transfer means or a contact cleaning means.

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 8. Document ID: US 6475695 B2

AB: Disclosed is provide an intermediate image receiving sheet for a laser thermal transfer recording method, which can easily transfer an image to even a rough surface paper with high quality and stable repeatability, and can use a variety of papers to produce and image proof which yields results similar to a print made in a production run.

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 9. Document ID: US 6436603 B1

AB: An image receiving sheet for thermal transfer recording is disclosed. The image receiving sheet comprises a lower layer and an image receiving layer on the support, and variation of position of point of a needle satisfies the following conditions when the needle having a diameter of 1 mm is touched on the image receiving sheet with a load of 10 g and the temperature is risen at a rate of 5.degree. C. per minute;

$$\{(\text{Position at } 25.\text{degree. C.} - \text{Position at } 30.\text{degree. C.}) / \text{Position at } 25.\text{degree. C.}\} . \text{times. } 100\% . \text{ltoreq. } 5\%$$

$$\{(\text{Position at } 25.\text{degree. C.} - \text{Position at } 130.\text{degree. C.}) / \text{Position at } 25.\text{degree. C.}\} . \text{times. } 100\% . \text{gtoreq. } 50\% .$$

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 10. Document ID: US 6187496 B1

AB: A toner for developing an electrostatic image is formed of toner particles; wherein each toner particle includes (i) 100 wt. parts of



a binder resin having a glass transition point (Tg) of 50-70.degree. C., (ii) 0.2-20 wt. parts of solid wax, and (iii) colorant particles or magnetic powder, (iv) lubricant particles carrying a liquid lubricant, so that the toner particle retains at its surface the liquid lubricant gradually released from the particles (iv). The toner may be further blended with an organically treated inorganic fine powder to provide a developer. The toner or developer retains good lubricity and releasability so that it is suitable to be used in an image forming method including means contacting a latent image-bearing means, such as a contact charging means, a contact transfer means or a contact cleaning means.

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw. Des
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☐ 1. Document ID: US 20060014014 A1

AB: The invention relates to a water-dispersible composition for making a water repellent paper with a low permeability for moisture. The composition comprises components (A) to (H), in the following amounts by dry weight (wt): (A) 5 to 89 wt % of polyvinyl butyral (PVB), (B) 1 to 20 wt % of styrene maleic imide (SMI), (C) 5 to 50 wt % of ethylene acrylate, (D) 0 to 20 wt % of polyvinyl alcohol or starch, (E) 0 to 7 wt % of wax, (F) 0 to 6 wt % of styrene maleic anhydride copolymer (SMA), (G) 0 to 70 wt % of styrene butadiene (SB) latex and (H) 0 to 70 wt % of talc. The invention further relates to an easily macerating moisture-proof paper comprising a base paper having coated on at least one surface thereof a layer of an aqueous emulsion comprising a water-dispersible composition, wherein the solid content in the aqueous emulsion is from 30 to 65 % by weight.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KNOC	Draw Des
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☐ 2. Document ID: US 20050260362 A1

AB: In a liquid composition for metachromatic members which is to be applied to a metachromatic member having a support and provided thereon a porous layer formed by fixing therein a low refractive index pigment in a disperse state together with a binder resin, the liquid composition has a liquid medium and dissolved and/or dispersed therein a solid matter having a refractive index of from 1.3 to 1.8. Also disclosed is a metachromatic member set having this liquid composition and a metachromatic member. The liquid composition for metachromatic members satisfies permanent preservability of images, having superior density retention and shape retention of images formed in the metachromatic member and being suitable for uses in which impressions of hands, feet and the like are taken and preserved or in which written images or stamped images are preserved.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KNOC	Draw Des
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☐ 3. Document ID: US 20050012998 A1

AB: Various embodiments disclosed herein relate to optical elements comprising an at least partial coating having a first state and a second



state connected to at least a portion of a substrate, the at least partial coating being adapted to switch from the first state to the second state in response to at least actinic radiation, to revert back to the first state in response to thermal energy, and to linearly polarize at least transmitted radiation in at least one of the first state and the second state. Other embodiments relate to optical elements comprising a substrate and at least one at least partially aligned photochromic-dichroic compound connected to at least a portion of the substrate and having an average absorption ratio greater than 2.3 in the activated state as determined according to CELL METHOD. Still other embodiments relate to security devices, liquid crystal cells and methods of making the same.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Des
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☐ 4. Document ID: US 20040235970 A1

AB: The present invention provides, e.g., methods to recycle and/or reduce plastic, non-plastic, or a combination thereof, from a waste stream. The methods of the present invention include contacting the plastic waste with infrared (IR) energy at one or more frequencies and at one or more intensities, over a period of time effective to heat plastic present in the plastic waste.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Des
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☐ 5. Document ID: US 20040197695 A1

AB: A process for forming an image, the process including the steps of: forming, on a surface of an image receiving layer of an image receiving body A, an adhesive first image including an adhesive composition by using an electrophotographic technique; forming an inorganic pigment second image on the surface of the image receiving layer of the image receiving body A by transferring a transfer layer corresponding to the adhesive first image, transferring an inorganic pigment second image onto an image receiving body B, arranging the inorganic pigment second image on a surface of a ceramic material; and heating the ceramic material to sinter the inorganic pigment image onto the surface of the ceramic material.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KWIC	Draw Des
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☐ 6. Document ID: US 20040127614 A1

AB: Embodiments of the present invention relate to article comprising a polymer comprising one or more C3 to C40 olefins, optionally one or more diolefins, and less than 5 mole % of ethylene having a Dot T-



Peel of 1 Newton or more, a branching index (g') of 0.95 or less measured at the Mz of the polymer; and an Mw of 100,000 or less. This invention further relates to a process to produce an olefin polymer comprising: 1) selecting a first catalyst component capable of producing a polymer having an Mw of 100,000 or less and a crystallinity of 20% or less; 2) selecting a second catalyst component capable of producing polymer having an Mw of 100,000 or less and a crystallinity of 40% or more; 3) contacting the catalyst components in the presence of one or more activators with one or more C3 to C40 olefins, in a reaction zone.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw Des
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☐ 7. Document ID: US 20030087061 A1

AB: A lithographic printing plate precursor comprising at least an inter layer and an image-receiving layer provided in order on a water-resistant support, wherein the inter layer has a surface exhibiting a centerline average roughness (Ra) of from 0.05 to 2.0  $\mu\text{m}$ .

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw Des
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☐ 8. Document ID: US 20030064313 A1

AB: A process for forming an image, the process including the steps of: forming, on a surface of an image receiving layer of an image receiving body A, an adhesive first image including an adhesive composition by using an electrophotographic technique; forming an inorganic pigment second image on the surface of the image receiving layer of the image receiving body A by transferring a transfer layer corresponding to the adhesive first image, transferring an inorganic pigment second image onto an image receiving body B, arranging the inorganic pigment second image on a surface of a ceramic material; and heating the ceramic material to sinter the inorganic pigment image onto the surface of the ceramic material.

Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMOC	Draw Des
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☐ 9. Document ID: US 20020072007 A1

AB: Disclosed is provide an intermediate image receiving sheet for a laser thermal transfer recording method, which can easily transfer an image to even a rough surface paper with high quality and stable repeatability, and can use a variety of papers to produce an image proof which yields results similar to a print made in a production run.



Full	Title	Citation	Front	Review	Classification	Date	Reference	Sequences	Attachments	Claims	KMIC	Draw Des
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☐ 10. Document ID: US 6541174 B1

AB: A toner for developing an electrostatic image is formed of toner particles; wherein each toner particle includes (i) 100 wt. parts of a binder resin having a glass transition point (Tg) of 50-70.degree. C., (ii) 0.2-20 wt. parts of solid wax, and (iii) colorant particles or magnetic powder; (iv) lubricant particles carrying a liquid lubricant, so that the toner particle retains at its surface the liquid lubricant gradually released from the particles (iv). The toner may be further blended with an organically treated inorganic fine powder to provide a developer. The toner or developer retains good lubricity and releasability so that it is suitable to be used in an image forming method including means contacting a latent image-bearing means, such as a contact charging means, a contact transfer means or a contact cleaning means.

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMIC	Draw Des
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☐ 11. Document ID: US 6475695 B2

AB: Disclosed is provide an intermediate image receiving sheet for a laser thermal transfer recording method, which can easily transfer an image to even a rough surface paper with high quality and stable repeatability, and can use a variety of papers to produce and image proof which yields results similar to a print made in a production run.

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWOC	Drawn Des
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☐ 12. Document ID: US 6436603 B1

AB: An image receiving sheet for thermal transfer recording is disclosed. The image receiving sheet comprises a lower layer and an image receiving layer on the support, and variation of position of point of a needle satisfies the following conditions when the needle having a diameter of 1 mm is touched on the image receiving sheet with a load of 10 g and the temperature is risen at a rate of 5.degree. C. per minute;

$$\{(\text{Position at } 25.\text{degree. C.} - \text{Position at } 30.\text{degree. C.}) / \text{Position at } 25.\text{degree. C.}\} . \text{times. } 100\% . \text{ltoreq. } 5\%$$

$$\{(\text{Position at } 25.\text{degree. C.} - \text{Position at } 130.\text{degree. C.}) / \text{Position at } 25.\text{degree. C.}\} . \text{times. } 100\% . \text{gtoreq. } 50\% .$$

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWOC	Drawn Des
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☐ 13. Document ID: US 6187496 B1

AB: A toner for developing an electrostatic image is formed of toner particles; wherein each toner particle includes (i) 100 wt. parts of a binder resin having a glass transition point (Tg) of 50-70.degree. C., (ii) 0.2-20 wt. parts of solid wax, and (iii) colorant particles or magnetic powder, (iv) lubricant particles carrying a liquid lubricant, so that the toner particle retains at its surface the liquid lubricant gradually released from the particles (iv). The toner may be further blended with an organically treated inorganic fine powder to provide a developer. The toner or developer retains good lubricity and releasability so that it is suitable to be used in an image forming method including means contacting a latent image-bearing means, such as a contact charging



means, a contact transfer means or a contact cleaning means.

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMMC	Draw. Des
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☐ 14. Document ID: US 6137977 A

AB: In the image forming machine of the invention, a two-component type developer has a spherical magnetic powder dispersion type carrier, which has a weight average particle diameter of from 15 to 60  $\mu\text{m}$ . The external additive is present in the form of particles on the toner particle, and comprises inorganic oxide fine particles A having a shape factor SF-1 of from 100 to 130, and non-spherical inorganic oxide fine particles B, having a shape factor SF-1 larger than 150 and particles B having been obtained by combining a plurality of component particles.

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMMC	Draw. Des
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☐ 15. Document ID: US 6077638 A

AB: A toner for developing an electrostatic image is formed of toner particles; wherein each toner particle includes (i) 100 wt. parts of a binder resin having a glass transition point ( $T_g$ ) of 50-70.degree. C., (ii) 0.2-20 wt. parts of solid wax, and (iii) colorant particles or magnetic powder carrying a liquid lubricant, so that the toner particle retains at its surface the liquid lubricant gradually released from the particles (iii). The toner may be further blended with an organically treated inorganic fine powder to provide a developer. The toner or developer retains good lubricity and releasability so that it is suitable to be used in an image forming method including means contacting a latent image-bearing means, such as a contact charging means, a contact transfer means or a contact cleaning means.

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMMC	Draw. Des
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☐ 16. Document ID: US 6077635 A

AB: A toner is disclosed which has toner particles and an external additive. The toner has (a) in circularity distribution of particles measured with a flow type particle image analyzer, an average circularity of from 0.920 to 0.995, containing particles with a circularity of less than 0.950 in an amount of from 2% by number to 40% by number; and (b) a weight-average particle diameter of from 2.0  $\mu\text{m}$  to 9.0  $\mu\text{m}$  as measured by Coulter method. The external additive has, on the toner particles, at least (i) an inorganic fine powder (A) present in the state of primary particles or secondary particles and having an average particle length of from 10  $\mu\text{m}$  to 400  $\mu\text{m}$  and a shape factor SF-1 of from 100



to 130 and (ii) a non-spherical inorganic fine powder (B) formed by coalescence of a plurality of particles and having a shape factor SF-1 of greater than 150. Also, a two-component developer and an image forming method, using the toner, are disclosed.

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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17. Document ID: US 6057073 A

AB: A toner for developing an electrostatic image has toner particles containing at least a binder resin and a colorant, and an inorganic fine powder. The inorganic fine powder has been treated with a silicone oil having, in its molecular weight distribution as measured by gel permeation chromatography, at least one peak value in the region of molecular weight of from 500 to 15,000 and having at least one peak value or shoulder in the region of molecular weight of from 3,000 to 100,000 at a value greater than the former peak value.

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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18. Document ID: US 5994019 A

AB: An image forming method is disclosed in which a contact charging means is brought into contact with a latent image bearing member to electrostatically charge the latent image bearing member on which electrostatic latent images are formed and developed with a one component type or two component type developer to form toner images, using a developing assembly provided with a developing container and a developer carrying member. The one component developer is comprised of toner particles. The two component type developer is comprised of toner particles and a magnetic carrier. The toner particles of the one component type and two component type developers contains fine particles as an external additive.

The latent image bearing member has a surface layer having a volume resistivity A of from  $10^{8.8}$  to  $10^{15}$   $\Omega \cdot \text{cm}$ ; the contact charging means comprises an assembly for electrostatically charging the latent image bearing member by applying a voltage to a charging member having a volume resistivity B of from  $10^{4.4}$  to  $10^{9.9}$   $\Omega \cdot \text{cm}$ ; the toner has, as an external additive, fine particles having a volume resistivity C of from  $10^{7.7}$  to  $10^{11.1}$   $\Omega \cdot \text{cm}$ ; the magnetic carrier has a volume resistivity D1 of from  $10^{9.9}$  to  $10^{15}$   $\Omega \cdot \text{cm}$ ; and the developer carrying member has a surface layer having a volume resistivity D2 of from  $10^{9.9}$  to  $10^{15}$   $\Omega \cdot \text{cm}$ . The resistivities A, B, C, D1 and D2 stasisfy the following conditions:  $B < C < A < D1$  or  $B < C < A < D2$ .



Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 19. Document ID: US 5824442 A

AB: A toner for developing electrostatic images has toner particles containing a binder resin and a colorant, and fine titanium oxide particles or fine alumina particles. The surfaces of the fine titanium oxide particles or fine alumina particles have been subjected to an organic treatment and have a methanol wettability half value of 55% or more.

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 20. Document ID: US 5707770 A

AB: A toner for developing electrostatic images has toner particles containing a binder resin and a colorant, and fine titanium oxide particles or fine alumina particles. The surfaces of the fine titanium oxide particles or fine alumina particles have been subjected to an organic treatment and have a methanol wettability half value of 55% or more.

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 21. Document ID: US 5580693 A

AB: Disclosed is a light-heat converting type heat mode recording process using a recording material and an image receiving material, which comprises the steps of:

(a) transferring an ink image from a recording material to an image receiving material by exposing from a back of the recording material or the receiving material; and

(b) transferring the ink image from the image receiving material to a final recording medium by applying heat or pressure.

The light-heat converting type heat mode recording material and the light-heat converting type heat mode image receiving material are capable of forming excellent transferred images.

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 22. Document ID: US 5464724 A

AB: A PS plate comprises an aluminum substrate having anodized layers on both sides, a photosensitive layer on one side of the substrate and a coating layer of a metal oxide obtained by hydrolyzing and polycondensing an organic or inorganic metal compound on the side of the substrate opposite to that carrying the photosensitive layer. The PS plate is processed by a method comprising the steps of imagewise exposing it to light and then developing the imagewise exposed plate with an alkali aqueous solution containing an alkali metal silicate and having a pH of not less than 12. The PS plate and the method for processing the same permit substantial reduction of the amount of a replenisher for development to be supplemented and ensure a stable processing of the plate over a long time period without accompanying formation of insolubles in a developer. The PS plates never cause adhesion and peeling off of the photosensitive layers even when they are put in stacks. Moreover, the PS plate does not suffer from a problem of contamination of the back face due to adhesion of lipophilic substances such as a developing ink.

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KWIC	Draw Des
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☐ 23. Document ID: US 5077156 A

AB: Substrates which have been coated with a mixture of a radiation-sensitive organic material, an unsubstituted or substituted tetrathio-, tetraseleno- or tetratelluro-naththalene and/or -tetracene and a substance containing active Cl, Br and/or I atoms, form radiation-sensitive layers with electrically conductive charge transfer complexes under the action of thermal energy. Irradiation under an image mask and subsequent development give antistatic or electrically conductive relief images which can be used, for example, as electrodes or conductive connections for electronic components.

Full	Title	Citation	Front	Review	Classification	Date	Reference			Claims	KMOC	Draw Des
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